

Grays Valley Groundwater Basin

- Groundwater Basin Number: 5-52
- County: Lassen
- Surface Area: 5,440 acres (8 square miles)

Basin Boundaries and Hydrology

The Grays Valley Groundwater Basin is an alluvial filled valley located at the base of Crater Lake Mountain to the west in southwest Lassen County. The basin is bounded by Recent basalt of Crater Lake Mountain to the east. The basin is bounded on all other sides by Pleistocene basalt of Bogard Buttes, Cal Mountain, and Cone Mountain (Lydon 1960). Annual precipitation ranges from 19- to 21-inches.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

Groundwater Budget

Groundwater Quality

Well Characteristics

| Well yields (gal/min) | |
|-----------------------|-----|
| Municipal/Irrigation | NKD |
| Total depths (ft) | |
| Domestic | NKD |
| Municipal/Irrigation | NKD |

NKD – No Known Data

Active Monitoring Data

| Agency | Parameter | Number of wells /measurement frequency |
|--------|--------------------------------|---|
| | Groundwater levels | NKD |
| | Miscellaneous water quality | NKD |

NKD – No Known Data

Basin Management

| | |
|-------------------------|--|
| Groundwater management: | No known groundwater management plans, groundwater ordinances, or basin adjudications. |
| Water agencies | |
| Public | None |
| Private | None |

Selected References

Lydon PA, Gay TE, Jennings CW. 1960. Geologic Atlas of California [Westwood Sheet]. California Division of Mines and Geology.

Bibliography

Bailey, EH. 1966. Geology of Northern California. California Division of Mines and Geology. Bulletin 190.

California Department of Water Resources. 1975. California's Ground Water. California Department of Water Resources. Bulletin 118.

California Department of Water Resources. 1980. Ground Water Basins in California. California Department of Water Resources. Bulletin 118-80.

Dickinson, WR, Ingersoll, RV, Graham, SA. 1979. Paleogene Sediment Dispersal and Paleotectonics in Northern California. Geological Society of America Bulletin 90:1458-1528.

Planert, M, Williams, JS. 1995. Ground Water Atlas of the United States, Segment 1, California, Nevada. USGS. HA-730-B.

Errata

Changes made to the basin description will be noted here.